

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/NZ2004/000096**

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: H02J 3/00, 5/00, H02M 7/00, 11/00, H01F 38/14, B60L 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Please see electronic data base consulted given below.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
DWPI: H02J 3/-, 4/-, 5/-, H02M 1/-, 5/-, 7/-, 11/-, h01F 38/-, b60L 9/-, inductive coupling, contactless, resonant, capacitance, inductance and similar words

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5898579 A (BOYS et al) 27 April 1999 entire document	1-4,7,8,12,16, 28-42,45,46, 52-54
Y		5,6,9-11,13- 15,17-27,43, 44,47-51
X	US 5892300 A (RYDVAL) 6 April 1999 entire document	1-4,37- 39,42,52,54
X	US 5953642 A (FELDTKELLER et al) 14 September 1999 entire document	1-4,37- 39,42,52,54

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
**18 August 2004**

Date of mailing of the international search report

**23 AUG 2004**

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaustalia.gov.au  
Facsimile No. (02) 6285 3929

Authorized officer

**MANO RAMACHANDRAN**  
Telephone No : (02) 6283 2166

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ2004/000096

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5831348 A (NISHIZAWA) 3 November 1998 entire document	1-4,37-39,42,52,54
Y	US 2003/0006880 A1 (ZIMMER) 9 January 2003 entire document	5,6,9-11,13-15,17-27,43,44,47-51
Y	WO 2001/18936 A1 (AUCKLAND UNISERVICES LIMITED) 15 March 2001 entire document	5,6,9-11,13-15,17-27,43,44,47-51
A	US 6462432 B1 (SEELIG et al) 8 October 2002 abstract, claim 1	
A	US 6173899 B1 (ROZIN) 16 January 2001 abstract	
A	WO 1999/26329 A (AUCKLAND UNISERVICES LTD) 27 May 1999 abstract	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000096

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5898579	AU	40934/93	AU	40935/93	EP	0640254
		EP	0640255	US	5619078	WO	9323908
		WO	9323909				
US	5892300	CN	1170468	EP	0788637	WO	9613804
US	5953642	CN	1170467	EP	0788633	WO	9613792
US	5831348	DE	19651719	JP	9326736		
US	2003006880	DE	19621076	EP	0901664	WO	9745807
WO	0118936	AU	74620/00	CA	2383644	EP	1219000
		NZ	337716	US	6705441		
US	6462432	AU	91597/98	CA	2300887	EP	0968559
		WO	9909634				
US	6173899						
WO	9926329	AU	12654/99	EP	1032963	NZ	329195
		US	6483202				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX